	Type	L #	Hits	Search Text
1	BRS	L1	2468	dating
2	BRS	L2	47	color same age same sex same height
3	BRS	L3	1	1 same 2
4	BRS	L4	16538	age same sex
5	BRS	L5	5	1 same 4
6	BRS	L6	7	odigo
7	BRS	L7	19	push$3 same interest same appearance
8	BRS	L8	4	dating same interest same appearance
9	BRS	L9	992	(data dj base) same match$3 same appearance
10	BRS	L10	19	(data dj base) same match$3 same (physical adj appearance)
11	BRS	L11	8	internet same match$3 same dating
12	BRS	L12	164	internet same match$3 same date
13	BRS	L13	51	internet same match$3 same date
14	BRS	L15	47521	455/$5.ccls.
15	BRS	L16	3	14 and 15
16	BRS	L14	76	match$3 same dating

	DBs	Time Stamp	Comments	Error Definition
1	USPAT; US-PGPUB	2003/04/18 15:43		
2	USPAT; US-PGPUB	2003/04/18 15:47		
3	USPAT; US-PGPUB	2003/04/18 15:44		
4	USPAT; US-PGPUB	2003/04/18 15:47		
5	USPAT; US-PGPUB	2003/04/18 15:50		
6	USPAT; US-PGPUB	2003/04/18 15:54		
7	USPAT; US-PGPUB	2003/04/18 16:08		
8	USPAT; US-PGPUB	2003/04/18 16:11		
9	USPAT; US-PGPUB	2003/04/18 16:12		
10	USPAT; US-PGPUB	2003/04/18 16:19		
11	USPAT; US-PGPUB	2003/04/18 17:01		
12	USPAT; US-PGPUB	2003/04/18 16:32		
13	USPAT	2003/04/18 16:32		
14	USPAT; US-PGPUB	2003/04/18 17:01		
15	USPAT; US-PGPUB	2003/04/18 17:02		
16	USPAT; US-PGPUB	2003/04/18 17:03		

(54) **ACUMATCH CROSS-MATCHING SYSTEM**

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(57) **ABSTRACT**

A system and method for cross-matching a query record with a database of registration records. The method begins by compiling a database of registration records each identifying and describing actual characteristics of an entity. Once the registration database is compiled, the database may be queried by inputting a query record describing desired characteristics of an entity. The query record includes a plurality of incremental preference rankings associated with the desired characteristics. Given the registration database and a query record, the cross-matching engine of the present invention will cross-match the actual characteristics with the desired characteristics by assigning a score for each match that is weighted in accordance with the preference ranking. The scores are totaled to prioritize the closest registration records based on the query record. The present method provides a statistical cross-matching system that accurately accounts for user-preferences. The system is described in the context of an on-line dating service.

Please Login
Member Login [_____]
Password [_____] (Go!)
I forgot my member login or password, can you help?

Welcome New Members!
Read On To Review Some of Your Options...

Welcome member, if this is your first visit to this section as a new member then you are on the brink of a great adventure. Before you begin take a minute to finish reading this page. We will use this page to announce news, upcoming events, and new features to all our members. As a member when you come to NewRelationships you will be automatically directed to this page.
This section is personalized just for you.
Start A New Relationship
[Start A New Relationship] is the place to start. Here you will see a listing of all your profiles and you have the choice to either go immediately to a search or open the profile to make a few changes to it for a specific search. This is not the place to make any permanent changes to the profile. To do this simply go to [Your Profiles], but more on that later.
Now is the time to press the GO button. After a moment or two you are presented with a listing of members to whom you have matched. The match depending on original profile settings can be a simple search or a full cross match. Take time to scan the list and if long apply the SAVE filter for those you wish to study in detail. When you are ready SEND a reply to those that interest you the most. Remember the ACI is guide to how strong the match was. The higher the percentage the closer the search is to what you and they are looking for. We have also given you the raw scores for the I AM and I WANT so you can see how it worked out.
Match Status
[Match Status] is your control console. Everything that you are doing at NewRelationships is reported to you here. You can at a glance find out how many people have found you, replies or responses pending and other information. Each reported number in this section is a quick link to take you right to that area. Try it!
Your Profiles
[Your Profiles] is the section where, depending on your level of membership you can create new profiles and/or edit permanently existing ones. Remember only premium membership allows 10 profiles.
About Membership
[About Membership] is where you can change any personal information. Name, address, billing information, pasword etc. Remember, this information is confidential to us and we will not reveal this to anyone!

(54) **SEARCH ENGINE**
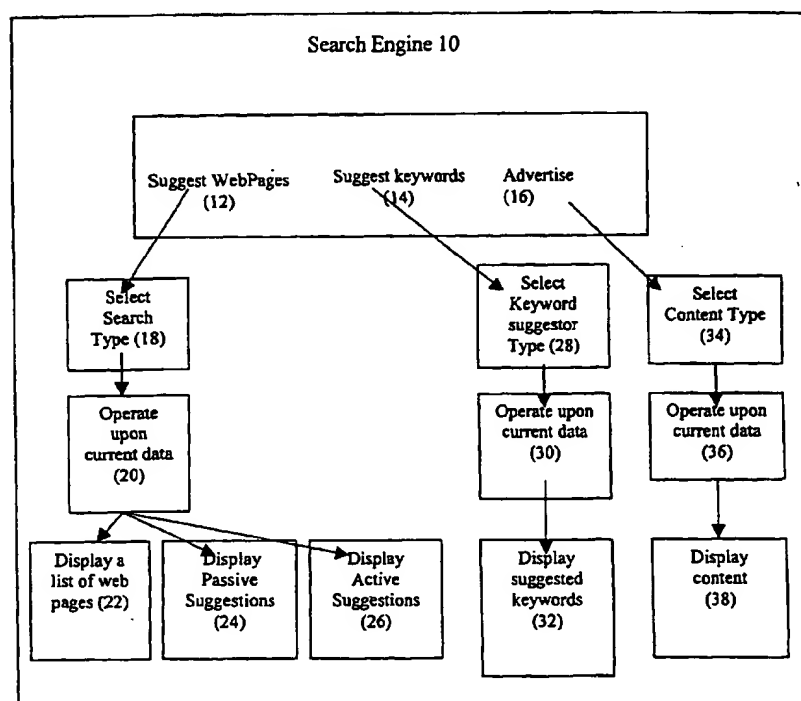
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(21) Appl. No.: **10/213,017**

(22) Filed: **Aug. 5, 2002**

(57) **ABSTRACT**

The present invention provides for a method of updating an internet search engine database with the results of a user's selection of specific web page listings from the general web page listing provided to the user as a result of his initial keyword search entry. By updating the database with the selections of many different users, the database can be updated to prioritize those web listings that have been selected the most with respect to a given keyword, and thereby presenting first the most popular web page listings in a subsequent search using the same keyword search entry.

DOCUMENT-IDENTIFIER: US 20030055831 A1

TITLE: Search engine

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[0402] In another embodiment, the system according to
the present invention
can be used as a <u>dating</u> service and/or a method for
<u>matching</u> people with
similar preferences by doing a statistical analysis to
compare the individual
preferences (Table 6) of groups of users. The individual
past preference
Tables, in this embodiment, would preferably be
normalized and compared to each
other using a standard correlation coefficient. When
compared to other users
it would give a numerical indication of how similar their
preferences are.

(12) **United States Patent**

Ryan et al.

(10) **Patent No.:** **US 6,421,675 B1**

(45) **Date of Patent:** **Jul. 16, 2002**

(54) **SEARCH ENGINE**

(75) Inventors: **Grant James Ryan; Shaun William Ryan**, both of Christchurch; **Craig Matthew Ryan**, Wellington; **Wayne Allstar Munro; Del Robinson**, both of Christchurch, all of (NZ)

(73) Assignee: **S. L. I. Systems, Inc. (NZ)**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/115,802**

(22) Filed: **Jul. 15, 1998**

Related U.S. Application Data

(60) Provisional application No. 60/078,199, filed on Mar. 16, 1998.

(51) Int. Cl.[7] **G06F 17/30**
(52) U.S. Cl. **707/100**; 707/501.1; 707/3
(58) Field of Search 707/1–4, 501, 707/513, 523, 100, 501.1; 709/206

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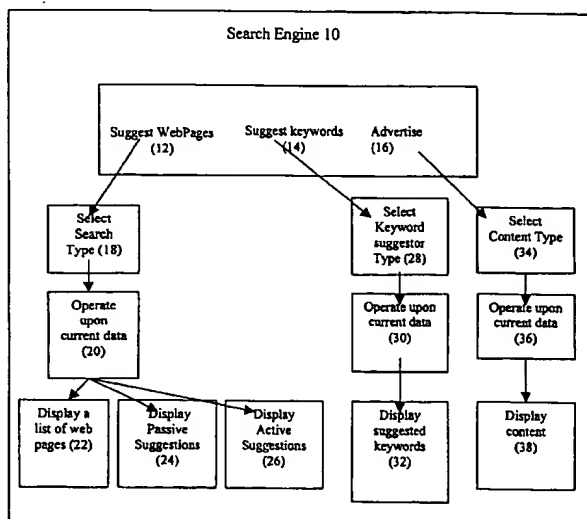* cited by examiner

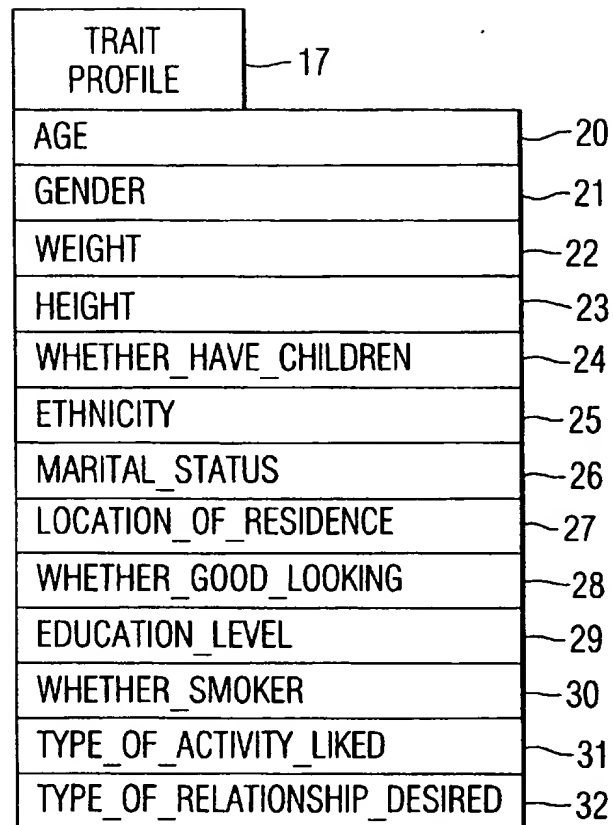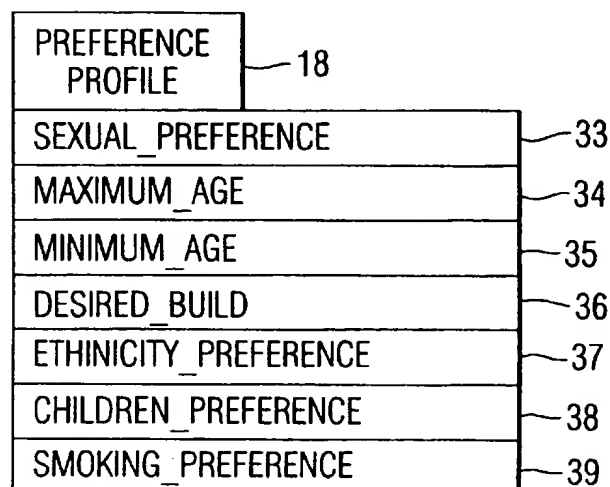*Primary Examiner*—Hosain T. Alam
Assistant Examiner—Ella Colbert
(74) *Attorney, Agent, or Firm*—Pillsbury Winthrop LLP

(57) **ABSTRACT**

The present invention provides for a method of updatig an internet search engine database with the results of a user's selection of specific web page listings from the general web page listing provided to the user as a result of his initial keyword search entry. By updating the database with the selections of many different users, the database can be updated to prioritize those web listings that have been selected the most with respect to a given keyword, and thereby presenting first the most popular web page listings in a subsequent search using the same keyword search entry.

5 Claims, 27 Drawing Sheets

TRAIT PROFILE	~17
AGE	~20
GENDER	~21
WEIGHT	~22
HEIGHT	~23
WHETHER_HAVE_CHILDREN	~24
ETHNICITY	~25
MARITAL_STATUS	~26
LOCATION_OF_RESIDENCE	~27
WHETHER_GOOD_LOOKING	~28
EDUCATION_LEVEL	~29
WHETHER_SMOKER	~30
TYPE_OF_ACTIVITY_LIKED	~31
TYPE_OF_RELATIONSHIP_DESIRED	~32

FIG. 3a

PREFERENCE PROFILE	~18
SEXUAL_PREFERENCE	~33
MAXIMUM_AGE	~34
MINIMUM_AGE	~35
DESIRED_BUILD	~36
ETHINICITY_PREFERENCE	~37
CHILDREN_PREFERENCE	~38
SMOKING_PREFERENCE	~39

FIG. 3b

US-PAT-NO: **6480885**

DOCUMENT-IDENTIFIER: **US 6480885 B1**

TITLE: **Dynamically matching users for group communications**
based on a threshold degree of matching of
sender and
recipient predetermined acceptance
criteria

--------- **KWIC** ---------

Dating services and employee-employer **matching** services use criteria and
profile information to **match** people together, but they use those results only
for one-on-one communication. hey have not used **matching** technology for group
communication in which each user has their own personalized group.

Match making ~~705/7~~

DOCUMENT-IDENTIFIER: US 20020194049 A1

TITLE: Computer-based networking service and method and system for performing the same

---------- KWIC ---------

[0009] For example, U.S. Pat. No. 5,963,951 to Collins relates to a computer-implemented **dating** service, and more particularly, to a method, system and apparatus for real-time, on-line computer searching and **matching** of database entries based on location and user-selectable search criteria. The system provides user-controlled perusal of the on-line **dating** search results. A database of subscriber information is searched to find at least one subscriber **matching** user search criteria. The subscriber information includes preferences of subscribers to the service. Both the personal preferences and the subscriber information include at least: a gender preference; a geographic location preference; a geographic location preference;

an age preference;
appearance preferences; religious belief preferences; educational level
preferences; and a goal preference, wherein the goal preference is one of
"romance"; "friendship" or "a walk on the wild side", wherein the geographic
location preference is at least one of a postal code, a country, a city, a
suburb, a block, or a street. The subscriber information includes a date of
last payment of a use fee by each subscriber and a date of last updating of a
personal profile by each subscriber. First the system locates, from the
database, all valid subscribers whose gender preferences **matches** the required
gender preference and who are located "nearby" the given postal (zip) code.
Then, for each subscriber found in the first step, the system also retrieves
the user's system information such as user name, phone number and geographic
location. Next, for each subscriber retrieved (who **matched** the gender and
geographic location criteria), the system determines a score based on the
subscriber's input information, the subscriber's preferences and the user's
input and preferences. The list of **matching** subscribers is then sorted in

descending order by "score", then in ascending order by zip code and then in
descending order of last access and/or payment.

[0010] Thus, the system and method of Collins provides an on-line **dating**
service which **matches** subscribers with other
subscribers for possible **dating**.
Such a system would be unsuitable for providing an on-line networking system
for arranging meetings such as dinner meetings at a specified time and place.
The on-line **dating** service of Collin would not, for example, enable an
individual to better utilize "down time" which occurs as a result of a layover
at a particular city on a business trip. Or for an individual at home who has
just had their evening plans cancelled but would still like to meet with other
individuals for dinner, a drink or the like. See also, U.S. Pat. No.
5,796,395 to de Honda.

[0011] Moreover, a "**dating** service" is not always an acceptable alternative
of the individual. First, the individual may not be interested in a date in
the romantic sense. Such **dating** services are geared to **matching** people
together in a romantic sense. For individuals who are

married, for example,
the "<u>dating</u> services" currently offered do not offer an attractive choice for
better utilizing their down time. Second, many people feel a stigma is
associated with seeking and/or finding a "significant other" using a <u>dating</u>
service. Furthermore, such services typically first <u>match</u> the individuals and
then the individuals, if willing, communicate via email and/or telephone to
learn more about each other. Such systems are not suitable for setting up a
networking meeting at a particular time and place.